

Hydro Profile



Light Efficiency:

29 Lumen/Watt

Light Quality:

CRI: 71.0

Color Temperature:

7379 K

Output: 24864 lm

Peak: 435287 cd

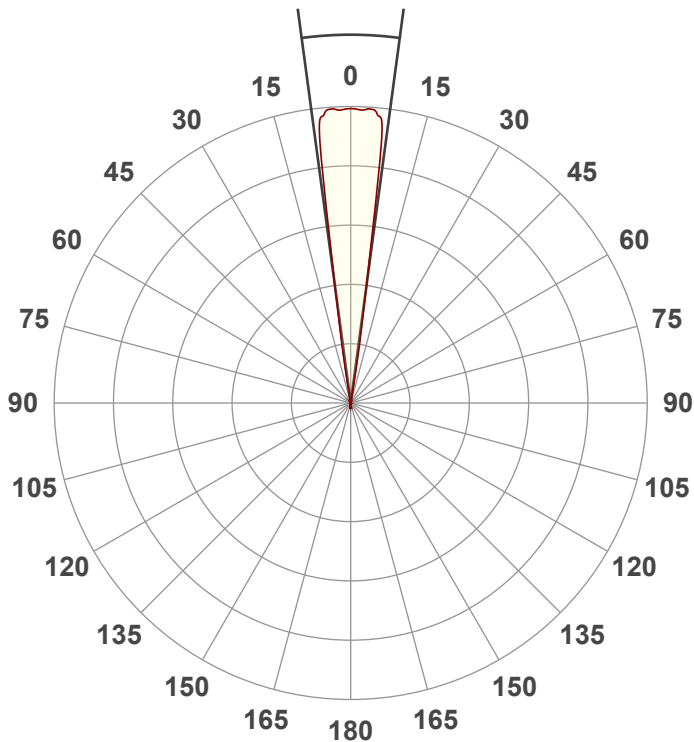
Power: 869 W

PF: 1.0



Beam Angle

15.3°



Test:

Zoom 50%

Date:

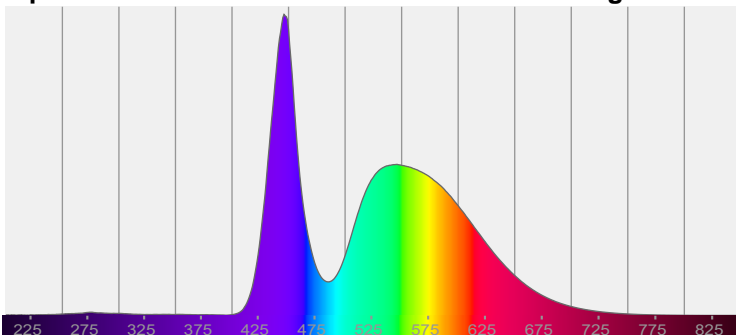
7/18/2022

Note:

CIE 1931
x: 0.301
y: 0.315

Spectra

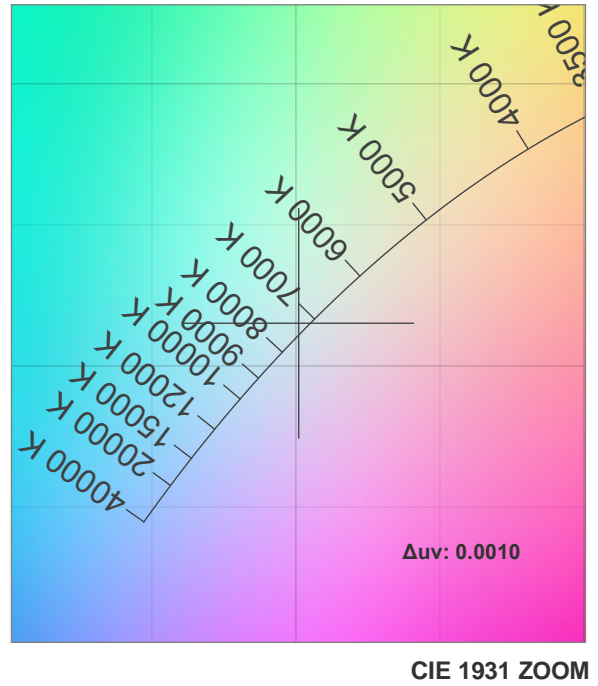
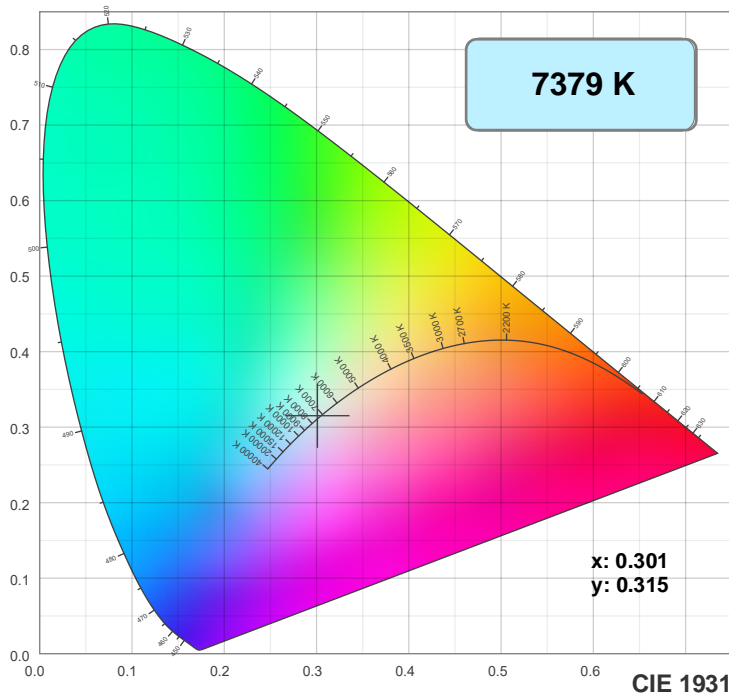
Dominant Wavelength: 475nm



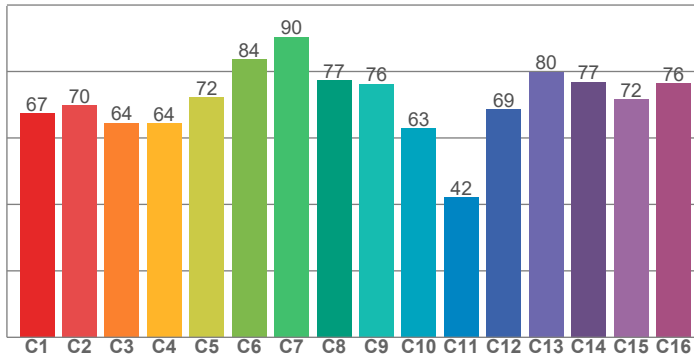
Power

Voltage: 119 V
Current: 7.32 A
Frequency: 0 Hz

Color Details



TM30: 71.2



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
70.3	73.1	73.1	73.6	71.9	64.8	78.7	62.5	-29.0	34.3	72.5	43.6	69.8	84.7	64.5

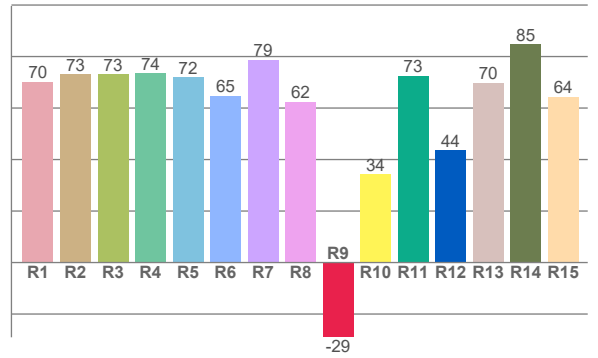
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67.4	69.8	64.5	64.4	72.2	83.6	90.4	77.4	76.3	62.8	42.1	68.7	79.9	76.8	71.6	76.3

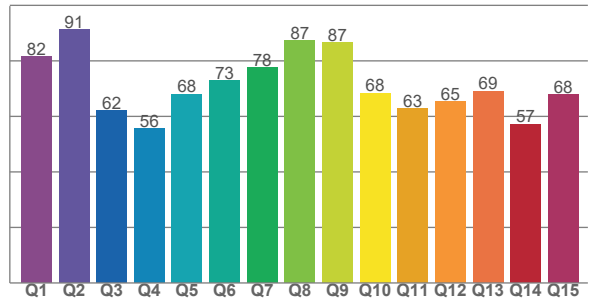
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.6	91.2	62.0	55.6	68.0	72.9	77.6	87.3	86.6	68.4	62.8	65.2	69.1	57.2	67.8

CRI: 71.0 (R1-R8)



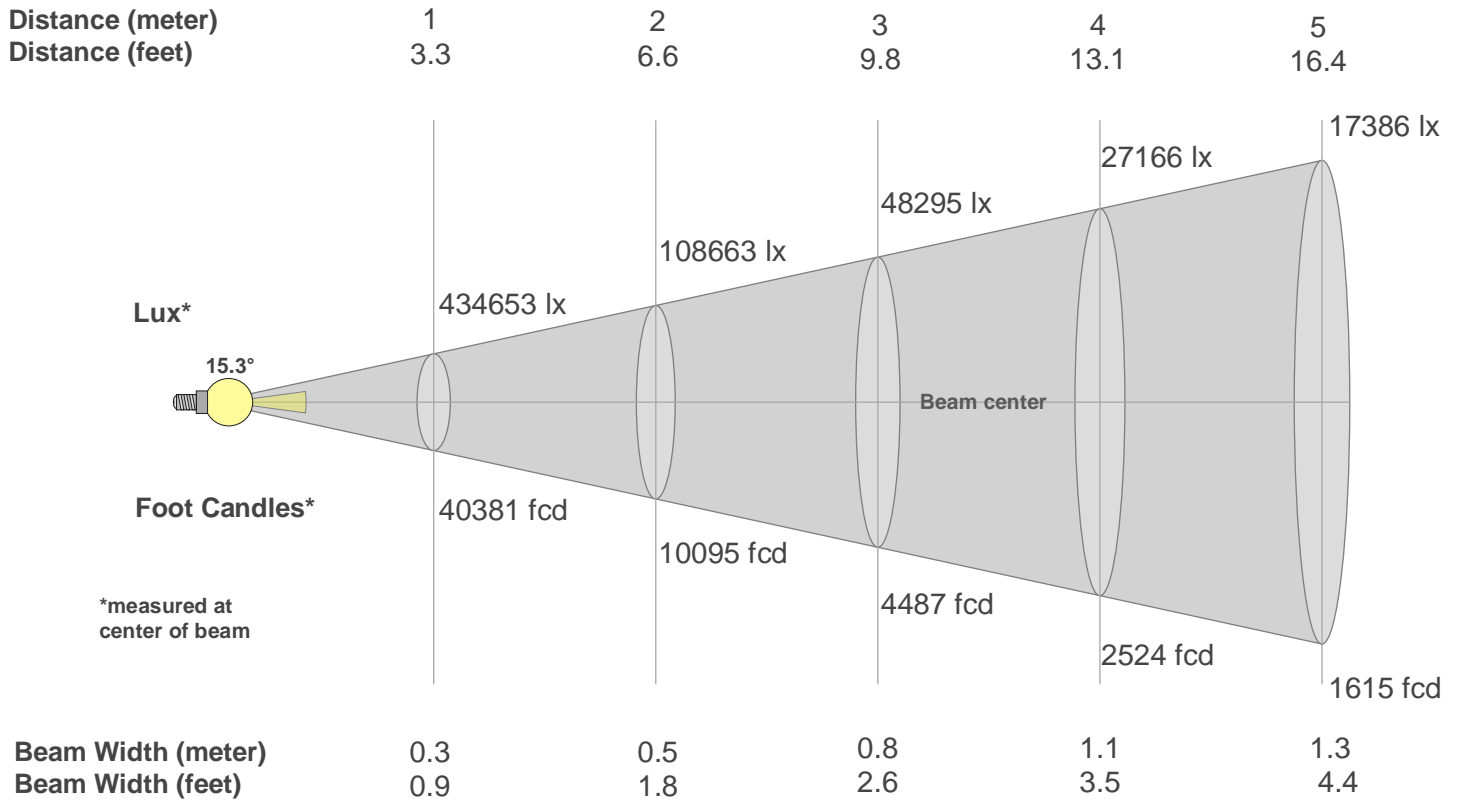
CQS: 69.6



Color Parameters

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate	Color Coordinate	Color Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
7379 K	71.0	-29.0	71.2	94.4	69.6	0.301	0.315	0.195	0.306	0.0010

Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	434653	108663	48295	27166	17386	12074	8870	6791	5366	4347	3592	3018	2572	2218	1932	1698	1504	1342	1204	1087
fcd	40380.6	10095.1	4486.7	2523.8	1615.2	1121.7	824.1	630.9	498.5	403.8	333.7	280.4	238.9	206	179.5	157.7	139.7	124.6	111.9	101

Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
435K	434K	433K	434K	434K	430K	407K	337K	154K	54K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	100%	100%	99%	94%	78%	35%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
435K	434K	433K	434K	434K	430K	407K	337K	154K	54K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	100%	100%	99%	94%	78%	35%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
435K	434K	433K	434K	434K	430K	407K	337K	154K	54K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	100%	100%	99%	94%	78%	35%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
435K	434K	433K	434K	434K	430K	407K	337K	154K	54K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	100%	100%	99%	94%	78%	35%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
15.3°	18.3°	19.2°	100.0%	100.0%